

ABSTRACT OF THE DISCLOSURE

A DNA fragment which encodes a polypeptide defined in the following (a) or (b), and a polypeptide defined in the following (c) or (d):

(a) a polypeptide which has at least the amino acid sequence of the amino acid numbers 50 to 393 in SEQ ID NO: 2 shown in Sequence Listing,

(b) a polypeptide which has at least the amino acid sequence of the amino acid numbers 50 to 393 in SEQ ID No: 2 shown in Sequence Listing including substitution, deletion, insertion, addition, or inversion of one or several amino acids, and can constitute a protein having a carbamoyl-phosphate synthetase activity with a large subunit of carbamoyl-phosphate synthetase having the amino acid sequence comprising at least the amino acid numbers 55 to 1113 of SEQ ID NO: 3,

(c) a polypeptide which has the amino acid sequence comprising at least the amino acid numbers 55 to 1113 of SEQ ID NO: 3 shown in Sequence Listing,

(d) a polypeptide which has the amino acid sequence comprising at least the amino acid numbers 55 to 1113 of SEQ ID NO: 3 shown in Sequence Listing including substitution, deletion, insertion, addition, or inversion of one or several amino acids, and can constitute a protein having a carbamoyl-phosphate synthetase activity with a small subunit of carbamoyl-phosphate synthetase having the amino acid sequence of the amino acid numbers 50 to 393 in SEQ ID NO: 2.